

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	biginteger	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:38
L4	335	717/106[ccls]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:46
L5	22	emulat\$ near instruct\$6 with size	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:47
L6	14	emulat\$ near large with data	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:48
L7	7	emulat\$ near large with instruction	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:49
L8	1209	arbitrary with precision	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:49
L9	48	arbitrary with precision with integer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:58
L10	40	717/135[ccor]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:59
L11	170	717/106[ccor]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:59

L12	130	703/26[ccor]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 13:59
S1	1	6311149[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:34
S2	1	6427196[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:34
S3	1	6606704[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:38
S5	1	09/760509	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:40
S6	1	6728845[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 09:49
S7	1	09/942116	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 16:45
S13	25	("20020049957" "6233723" "5828581" "20010018758" "5666289" "6066179" "5892678" "6120549" "5513119" "6477683" "6505341" "20030005396" "5553002" "6366874" "6044211" "5258919" "5220512" "6324678" "6236956" "6132109 5963724" "5852564" "6106568" "6219822" "512871" "5506788" "6457164")[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 17:02

S14	24	("20020042904" "6449762" "6378115" "6272671" "6260179" "5889677" "6298468" "6477689" "6480985" "6519755" "6152612" "200200232356" "6053947" "6135647" "20030016246" "20030016206" "6233540" "6487698" "6311309" "20020166100" "5629857" "20020046386" "6401230" "5933356" "6205573")[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 17:03
S17	27	("re38059" "4703435" "4970664" "5212650" "5267175" "5278769" "5287289" "5297053" "5301318" "5384710" "5475605" "5493507" "5544067" "5568397" "5598347" "5603015" "5604894" "5663662" "5676198" "5685006" "5694579" "5706476" "5717928" "5724250" "575655" "5809283" "5831869")[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 17:16
S18	27	("5841663" "5892682" "5903469" "5937190" "5974242" "6077304" "6161511" "6178541" "6208954" "6216256" "6226780" "6234658" "6275973" "6292931" "6327693" "6353803" "6353915" "6360356" "6421816" "6438729" "6438731" "6440780" "6473885" "6477688" "6490545" "6505328" "6516456")[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 17:16
S19	13	("6519742" "6523156" "6539536" "6546528" "6574787" "6591407" "20020038447" "20020059054" "20020112221" "20020138244" "20030004699" "20030036871" "20030177455")[pn]	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/14 17:18
S20	116	S13 S14 S17 S18 S19	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/15 12:43
S21	1	10/057193	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 12:57



arbitrary precision integer

- 2001

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BigNum: a portable and efficient package for arbitrary-precision arithmetic

BP Serpette, J Vuillemin, JC Herve - 1989 - digital.com

... All rights reserved. ii Page 3. Abstract We describe aC package for

arbitrary-precision integer arithmetic that is portable, yet efficient. ...Cited by 21 - [View as HTML](#) - [Web Search](#) - [digital.com](#) - [Library Search](#)

Algorithms for arbitrary precision floating point arithmetic

DM Priest - Proceedings of the 10th Symposium on Computer Arithmetic, 1991 - ieeexplore.ieee.org

... dirty tricks such as accessing a floating point number as though it were an **integer**value, nor ... We view **arbitrary precision** arithmetic in the following context. ...Cited by 62 - [Web Search](#) - [www-2.cs.cmu.edu](#) - [cs.cmu.edu](#) - [cs.cmu.edu](#) - [all 5 versions »](#)

A Fortran Multiple-Precision Arithmetic

RP BRENT - ACM Transactions on Mathematical Software, 1978 - portal.acm.org

... numbers; (8) **integer** and fractional parts of mp numbers; (9) routines for error ... Infact, it would be useful to have **arbitrary-precision** subroutines for all the ...Cited by 103 - [Web Search](#) - [comlab.ox.ac.uk](#) - [csa.com](#) - [all 7 versions »](#) - [Library Search](#)

Object-Oriented Multi-Methods in Cecil

C Chambers - ECOOP, 1992 - cse.ohio-state.edu

... $y@bigInt \{ \uparrow asBigInt(x) + y \}$ -- support mixed-representation arithmetic $asBigInt(x@smallInt) \{ -- code to create an arbitrary-precision integer from a fixed ...$ Cited by 161 - [View as HTML](#) - [Web Search](#) - [laputan.org](#) - [cs.cmu.edu](#) - [cs.colorado.edu](#) - [all 13 versions »](#)

Adaptive Precision Floating-Point Arithmetic and Fast Robust Geometric Predicates

JR Shewchuk - 1996 - springerlink.com

... to use floating-point arithmetic to perform extended-**precision integer** calculations. ...Most **arbitrary precision** libraries store numbers in a multiple-digit format ...Cited by 107 - [Web Search](#) - [gila-fw.bioengr.uic.edu](#) - [cs.cmu.edu](#) - [all 10 versions »](#) - [Library Search](#)

Robust Adaptive Floating-Point Geometric Predicates

JR Shewchuk - Symposium on Computational Geometry, 1996 - portal.acm.org

... test on points having 24-bit **integer** coordinates. ... 53-bit double **precision** significandsmake ... Rather than use a general-purpose **arbitrary precision** library, they ...Cited by 74 - [Web Search](#) - [portal.acm.org](#)

Exact Geometric Computation in LEDA.

C Burnikel, J Koenemann, K Mehlhorn, S Naehrer, S ... - Symposium on Computational Geometry, 1995 -

portal.acm.org

... **integer** is a real and reals are closed under the ... approximation of x of sufficient**precision** to decide the ... evaluate real expressions with **arbitrary precision**. ...Cited by 44 - [Web Search](#) - [portal.acm.org](#)

[PS] MP: A Protocol for Efficient Exchange of Mathematical Expressions

S Gray, N Kajler, PS Wang - ISSAC, 1994 - ensmp.fr

... Data type Encoding **arbitrary precision integer** 0 **arbitrary precision** real 8 machine**precision integer** (signed) 16 machine **precision integer** (unsigned) 17 ...Cited by 40 - [View as HTML](#) - [Web Search](#) - [portal.acm.org](#) - [portal.acm.org](#)

Static analysis yields efficient exact integer arithmetic for computational geometry

Ş Fortune, CJ Van Wyk - ACM Transactions on Graphics, 1996 - portal.acm.org

... provides **arbitrary-precision integer** arithmetic. More recently, attention ...

arbitrary-precision integer (see Section 3.1) and a variation of adaptive ...

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Hardware speedups in long **integer** multiplication

M Shand, P Bertin, J Vuillemin - ACM SIGARCH Computer Architecture News, 1991 - portal.acm.org

... such as Mapple, Macsyma, Arithmetica, ...) which need to include at run-time automatic **arbitrary precision integer** arithmetic. ...

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